

# Sinosecu **Passport Reader**



## Introduction

**Sinosecu Passport Reader** is a multi-purpose document scanner based on **high-precision OCR algorithm**. It consists of a unique hardware device and advanced OCR SDK/API. It can automatically capture data from ICAO compliant and Non-ICAO travel documents, including passport, e-passport, visa, ID card and driver license. It provides an ideal solution for fast identity verification.

## Features

- Read ICAO Doc 9303 compliant & Non-ICAO Travel documents;
- Obtain digital data from contactless chips (RFID reading);
- Equipped with 3.0Megapixel sensor & 400DPI camera;
- Capture images in visible, infrared (IR) and ultraviolet (UV) illumination;
- Provide customized OCR service for local documents.

## Application



**Transportation**  
Passenger Check-in  
Self-service Kiosk



**Enterprises**  
Property Management  
Access Control



**Government**  
Immigration Management  
Border Control



**Finance**  
Customer Registration  
Payment Processing

## Specification

### Supported Documents

|         |                                                                                                                                                                                                                                               |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MRZ     | ICAO 9303 standard compliant documents:<br>ID-1 (Identity Card)<br>ID-2 (Passport, Visa)<br>ID-3 (Passport)                                                                                                                                   |
| VIZ     | Customized OCR service for local documents                                                                                                                                                                                                    |
| RFID    | Read and write contactless ICs according to ISO/IEC 14443-S (Type A/B)<br>Read smart card according to ISO/IEC 7816<br>Support e-passport Basic Access Control (BAC) & Extended Access Control (EAC)<br>Support active/passive authentication |
| Barcode | 1D & 2D barcode                                                                                                                                                                                                                               |

### Image

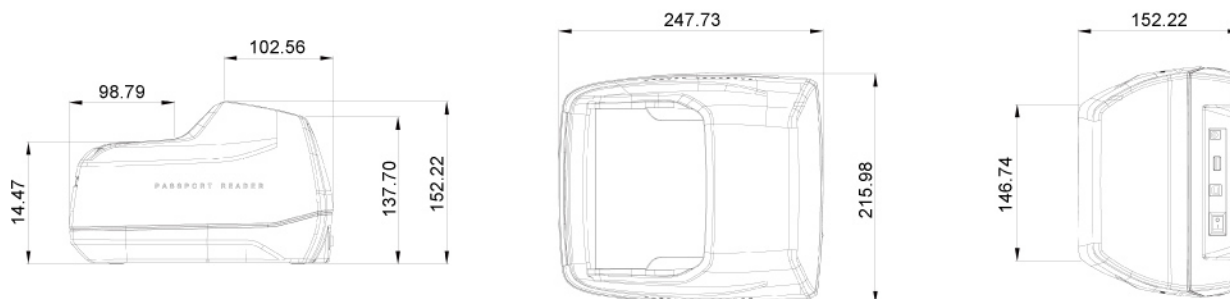
|               |                                 |
|---------------|---------------------------------|
| Resolution    | 400 DPI                         |
| Illumination  | Visible, IR and UV              |
| Color Depth   | 24 bits/pixels                  |
| Sensor        | CMOS, 3.0Megapixels (2048x1536) |
| Image Format  | JPG, BMP, TIFF                  |
| Field of View | 127mm×96mm                      |

### Software

|                            |                                                                                                                   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------|
| Supported Operation System | Windows 7, 8, 10, Vista, XP (32/64 bit)<br>Windows Server 2003 & 2008 (32/64 bit)<br>Linux Ubuntu, CentOS, RedHat |
| Software Development kit   | OCR SDK including DLLs, OCXs, Demo, Samples                                                                       |
| Programming Languages      | C#, C/C++, Java, Delphi, Visual Basic 6.0, VB.NET                                                                 |

### Hardware

|                       |                                                  |
|-----------------------|--------------------------------------------------|
| Dimension             | 235×250×148mm                                    |
| Weight                | 2.10-2.20kg (Net)<br>2.60-2.70kg (Gross)         |
| Interface             | USB 2.0                                          |
| Status LEDs           | Power, Ready, Error and Warning                  |
| Power                 | 100-240 V, 50-60Hz, 0.8A input<br>12V, 2A output |
| Case                  | ABS plastic                                      |
| Operating temperature | -10℃ to 50℃ operating;<br>-20℃ to 50℃ storage    |
| Operating humidity    | 20%-95%(non-condensing)                          |
| Package               | 400×289×258mm                                    |
| Warranty              | 1 year                                           |



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